

## ECS Configuration Change Request

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Page(s)

<b>1. Originator</b> Kathleen L. Carr	<b>2. Log Date:</b> 11/30/01	<b>3. CCR #:</b> 01-0903	<b>4. Rev:</b> —	<b>5. Tel:</b> 301-883-4173	<b>6. Rm #:</b> 3021	<b>7. Dept.</b> Synergy
<b>8. CCR Title:</b> Make AMASS APIs available on EDF SGI build platforms						
<b>9. Originator Signature/Date</b> Kathleen L. Carr /s/ 11/30/01			<b>10. Class</b> IN	<b>11. Type:</b> CCR	<b>12. Need Date:</b> 12/3/01	
<b>13. Office Manager Signature/Date</b> Rita Bergman /s/ 11/30/01			<b>14. Category of Change:</b> Initial ECS Baseline Doc.		<b>15. Priority:</b> (If "Emergency" fill in Block 27). Emergency	
<b>16. Documentation/Drawings Impacted:</b> None			<b>17. Schedule Impact:</b> Data Pool PSR		<b>18. CI(s) Affected:</b> Data Pool Insert	
<b>19. Release Affected by this Change:</b> N/A		<b>20. Date due to Customer:</b> n/a		<b>21. Estimated Cost:</b> None - Under 100K		
<b>22. Source Reference:</b> <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> Other:						
<b>23. Problem: (use additional Sheets if necessary)</b> Data Pool Insert needs to develop a custom version of the AMASS fileincache command, in order to work around a thread-safe bug in the COTS version of fileincache. The AMASS APIs must be visible on the EDF SGI build platforms so that this custom fileincache command can be compiled and built for testing. (See additional Sheets for more information).						
<b>24. Proposed Solution: (use additional sheets if necessary)</b> Install AMASS APIs on all EDF SGI build platforms - sebring, corvette, scully, cree, camaro, and s0mog01.						
<b>25. Alternate Solution: (use additional sheets if necessary)</b> Develop code in PVC where AMASS APIs reside; but PVC is not a software development environment.						
<b>26. Consequences if Change(s) are not approved: (use additional sheets if necessary)</b> Data Pool Insert performance will be impacted if the custom code cannot be developed.						
<b>27. Justification for Emergency (If Block 15 is "Emergency"):</b> Custom code version of AMASS fileincache comand must be developed and tested nlt 12/5 for EDC performance runs, and is also needed for Data Pool PSR.						
<b>28. Site(s) Affected:</b> <input checked="" type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
<b>29. Board Comments:</b>				<b>30. Work Assigned To:</b>		<b>31. CCR Closed Date:</b>
<b>32. EDF/SCDV CCB Chair (Sign/Date):</b> Kevin Lange /s/ 11/30/01			<b>Disposition:</b> <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB			
<b>33. M&amp;O CCB Chair (Sign/Date):</b>			<b>Disposition:</b> Approved App/Com. Disapproved Withdraw Fwd/ESDIS Fwd/ECS			
<b>34. ECS CCB Chair (Sign/Date):</b>			<b>Disposition:</b> Approved App/Com. Disapproved Withdraw Fwd/ESDIS Fwd/ESDIS			

## ADDITIONAL SHEET

**CCR #:** 01-0903    **Rev:**    **Originator:** Kathleen L. Carr

**Telephone:** 301-883-4173    **Office:** Synergy

**Title of Change:** Install AMASS APIs locally on all EDF SGI build platforms

The fileincache command provided with the AMASS COTS product is not thread-safe (Ref. ReIBO\_COTS NCR 32661). The Data Pool Insert utility relies on fileincache status to determine whether to put copies from AMASS to the Data Pool on an incache queue or on a tape queue. Due to the unreliability of the AMASS fileincache command, approx. 10% of Data Pool copies from AMASS are currently being placed on the tape queue when they should be placed on the incache queue. To correct this problem while waiting a COTS NCR fix, Data Pool Insert will provide a custom fileincache command against AMASS. In order to develop, compile, and build this custom fileincache command, the AMASS APIs must be available in the EDF on the SGI build platforms.

The AMASS APIs are currently available in the PVC, but software development cannot take place in that environment.

CM01AJA00 Revised 10/15/01

**ECS**